

AMENDMENTS TO THE CLAIMS

Claim 1 (currently amended) A self cleaning dental mirror comprising:

an elongated handle;

a reflective surface affixed to a first end of said elongated handle;

means for communicating air through said elongated handle to at least one air orifice directing air at said reflective surface;

means for communicating water through said elongated handle to at least one water orifice directing air at said reflective surface;

an air valve means positioned within said elongated handle for controlling air flow to said at least one air orifice directing air at said reflective surface; and

a water valve means positioned within said elongated handle for controlling water flow to said at least one water orifice directing water at said reflective surface;

wherein said air valve means and said water valve means comprise field replaceable pushbutton valves.

Claim 2 (currently amended) The self cleaning dental mirror of Claim 1 wherein all components are autoclavable, said field replaceable pushbutton valves comprising autoclavable O-rings.

Claim 3 The cleaning dental mirror of Claim 2 further comprising means for connecting an air hose and a water hose to said elongated handle.

Claim 4 The self cleaning dental mirror of Claim 3 wherein said means for connecting comprises an air nipple and a water nipple positioned near an end of said elongated handle opposite said reflective surface.

Claim 5 (currently amended) The self cleaning dental mirror of Claim 4 further

comprising means for removing and replacing said reflective surface and means for aligning said reflective surface with said field replaceable pushbutton valves.

Claim 6 Cancelled.

Claim 7 Cancelled.

Claim 8 (currently amended) The self cleaning dental mirror of Claim 7 1 further comprising a means for aligning the position of said reflective surface relative to said elongated handle such that said at least one air orifice and said at least one water orifice are directed at said reflective surface.

Claim 9 (currently amended) The self cleaning dental mirror of Claim 8 wherein said means for aligning further comprises a means for locking the position of said reflective surface to prevent longitudinal translation relative to said elongated handle.

Claim 10 Cancelled.

Claim 11 The self cleaning dental mirror of Claim 1 wherein said at least one air orifice and said at least one water orifice are arranged such that said at least one water orifice is encircled by multiple air orifices to disperse water as it is emitted from said at least one water orifice

Claim 12 (currently amended) The self cleaning dental mirror of Claim 1 wherein said means for communicating air and means for communicating water are concentric and extend the length of the handle to dispense water expelled from said at least one water orifice, further comprising means for precise titration of air and water.

Claim 13 The self cleaning dental mirror of Claim 1 wherein said air valve means and said water valve means are positioned in said elongated handle linearly offset.

Claim 14 The self cleaning dental mirror of Claim 1 further comprising quick disconnect

means for engaging and disengaging said self cleaning dental mirror to an air supply hose and a water supply hose.

Claim 15 The self cleaning dental mirror of Claim 14 wherein said quick disconnect means further comprise means for cutting off flow from said air supply hose and said water supply hose upon disengagement by said self cleaning dental mirror therefrom.

Claim 16 (new) The self cleaning dental mirror of Claim 1 wherein said elongated handle further comprises a removable valve body section.

Claim 17 (new) The self cleaning dental mirror of Claim 2 wherein said field replaceable pushbutton valves further comprise removable retaining pins.

Claim 18 (new) The self cleaning dental mirror of Claim 8 wherein said means for aligning comprises a geometrically shaped shank and a correspondingly geometrically shaped sleeve.

Claim 19 (new) The self cleaning dental mirror of Claim 1 wherein a water jet is surrounded by air jets.

Claim 20 (new) The self cleaning dental mirror of Claim 9 wherein said means for locking further prevents rotational translation of said reflective surface.

Claim 21 (new) The self cleaning dental mirror of Claim 20 wherein said means for locking holds said reflective surface is maintained a desired distance from said at least one water orifice and said at least one air orifice.